Janjic Nebojsa Form 4 March 07, 2008

FORM 4

OMB APPROVAL

UNITED STATES SECURITIES AND EXCHANGE COMMISSION Washington, D.C. 20549

OMB 3235-0287 Number:

Check this box if no longer subject to Section 16.

January 31, Expires: 2005

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF **SECURITIES**

Estimated average burden hours per response... 0.5

Form 4 or Form 5 obligations may continue. See Instruction

Filed pursuant to Section 16(a) of the Securities Exchange Act of 1934, Section 17(a) of the Public Utility Holding Company Act of 1935 or Section 30(h) of the Investment Company Act of 1940

1(b).

(Print or Type Responses)

1. Name and Address of Reporting Person *

2. Issuer Name and Ticker or Trading Symbol

5. Relationship of Reporting Person(s) to Issuer

Janjic Nebojsa

REPLIDYNE INC [RDYN]

(Check all applicable)

(First) (Middle) (Last)

3. Date of Earliest Transaction (Month/Day/Year)

Director 10% Owner Other (specify

1450 INFINITE DRIVE

X_ Officer (give title 03/05/2008 below)

Chief Scientific Officer, Sec.

(Street) 4. If Amendment, Date Original

(Month/Day/Year)

Applicable Line)

Filed(Month/Day/Year)

X Form filed by One Reporting Person Form filed by More than One Reporting

6. Individual or Joint/Group Filing(Check

Person

LOUISVILLE, CO 80027

(City) (State) (Zip)

Table I - Non-Derivative Securities Acquired, Disposed of, or Beneficially Owned

1. Title of Security (Instr. 3)

2. Transaction Date 2A. Deemed (Month/Day/Year) Execution Date, if

3. 4. Securities TransactionAcquired (A) or Code Disposed of (D)

(Instr. 3, 4 and 5)

5. Amount of 6. Ownership Securities Beneficially Owned (T) Following

7. Nature of Form: Direct Indirect (D) or Indirect Beneficial Ownership (Instr. 4) (Instr. 4)

(A)

(Instr. 8)

Reported Transaction(s)

(Instr. 3 and 4) Code V Amount (D) Price

Reminder: Report on a separate line for each class of securities beneficially owned directly or indirectly.

Persons who respond to the collection of SEC 1474 information contained in this form are not (9-02)required to respond unless the form displays a currently valid OMB control number.

Table II - Derivative Securities Acquired, Disposed of, or Beneficially Owned (e.g., puts, calls, warrants, options, convertible securities)

1. Title of Derivative Conversion (Month/Day/Year) Security or Exercise

3. Transaction Date 3A. Deemed Execution Date, if any

4. 5. Number of TransactionDerivative Code Securities

6. Date Exercisable and **Expiration Date** (Month/Day/Year)

7. Title and Amount Underlying Securities (Instr. 3 and 4)

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(Instr. 3)	Price of Derivative Security		(Month/Day/Year)	(Instr. 8)	Acquired (A) or Disposed of (D) (Instr. 3, 4, and 5)					
				Code V	(A)	(D)	Date Exercisable	Expiration Date	Title	Amous Numb Shares
Stock Option (right to buy)	\$ 1.86	03/05/2008	03/05/2008	A	100,000		04/05/2008(1)	03/04/2018	Common Stock	100,0
Stock Option (right to buy)	\$ 1.86	03/05/2008	03/05/2008	A	100,000		(2)	03/04/2018	Common Stock	100,0

Reporting Owners

Reporting Owner Name / Address Relationships

Director 10% Owner Officer Other

Janjic Nebojsa 1450 INFINITE DRIVE

LOUISVILLE, CO 80027

Chief Scientific Officer, Sec.

Signatures

/s/ Laura M. Medina, Attorney-in-Fact 03/07/2008

**Signature of Reporting Person Date

Explanation of Responses:

- * If the form is filed by more than one reporting person, see Instruction 4(b)(v).
- ** Intentional misstatements or omissions of facts constitute Federal Criminal Violations. See 18 U.S.C. 1001 and 15 U.S.C. 78ff(a).
- Grant to Reporting Person of a stock option under the Issuer's 2006 Equity Incentive Plan. The option vests in equal monthly installments over 48 months beginning March 5, 2008. The option is exercisable three years following the Reporting Person's termination of service with the Issuer. The option expires ten years after the date of grant.
 - Grant to Reporting Person of a stock option under the Issuer's 2006 Equity Incentive Plan. The option vests in full, subject to the sole discretion of the Issuer's Board of Directors, immediately prior to the consummation of either (a) a strategic alliance or partnership with
- (2) an unaffiliated third party that relates to the development and commercialization of faropenem or (b) another strategic transaction to which the Issuer is a party. The option is exercisable three years following the Reporting Person's termination of service with the Issuer. The option expires ten years after the date of grant.

Note: File three copies of this Form, one of which must be manually signed. If space is insufficient, *see* Instruction 6 for procedure. Potential persons who are to respond to the collection of information contained in this form are not required to respond unless the form displays a currently valid OMB number.

Reporting Owners 2